

Claims

1. A color conversion layer comprising a fluorescent medium for converting light emitted from an emitting medium to light having a longer wavelength, and having a haze value of 50% to 95%.

2. The color conversion layer according to claim 1, comprising particles of an organic material and/or an inorganic material.

3. A color conversion layer comprising:

a fluorescent medium for converting light emitted from an emitting medium to light having a longer wavelength, and particles of an organic material and/or an inorganic material coated with a material suppressing extinction of the fluorescent medium.

4. The color conversion layer according to claim 3 that has a haze value of 50% to 95%.

5. The color conversion layer according to any one of claims 1 to 4, wherein the fluorescent medium converts light in a blue range emitted from the emitting medium to light having a longer wavelength.

6. The color conversion layer according to any one of claims 2 to 4, wherein the particles of an inorganic material

comprise an inorganic oxide, an inorganic nitride or an inorganic oxinitride.

7. The color conversion layer according to claim 6, wherein the inorganic material are a material selected from SiO_x , SiN_x , SiO_xN_y , AlO_x , TiO_x , TaO_x , ZnO_x , ZrO_x , CeO_x and ZrSiO_x wherein x is 0.1 to 2 and y is 0.5 to 1.3.

8. The color conversion layer according to any one of claims 2 to 4, wherein the particles of an organic material and/or an inorganic material are hollow.

9. The color conversion layer according to any one of claims 1 to 4, wherein a color filter is stacked.

10. The color conversion layer according to any one of claims 1 to 4, wherein the color conversion layer is a layer in which a material of the fluorescent medium and a material of a color filter are mixed.

11. A luminescent device comprising:

the color conversion layer according to any one of claims 1 to 4, and
an emitting medium.

12. The luminescent device according to claim 11, wherein the emitting medium is a light emitting diode.

13. The luminescent device according to claim 11, wherein the emitting medium is an electroluminescent device.

14. The luminescent device according to claim 11 that emits white light.

15. A display comprising a screen comprising the luminescent device of claim 11.